

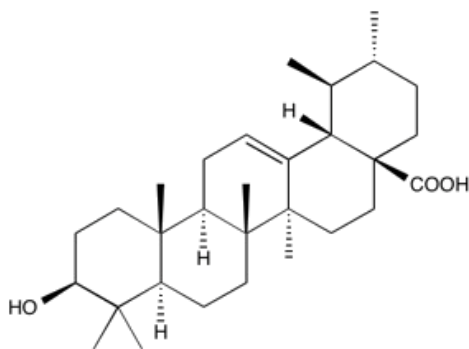
**Catalog # 10-4010**

**Ursolic Acid**

CAS# 77-52-1

3 $\beta$ -Hydroxyurs-12-en-28-oic acid

Lot # FBS3013



Inhibits endothelial cell proliferation and migration (IC<sub>50</sub>=5  $\mu$ M) and angiogenesis.<sup>1</sup> Promotes skeletal muscle rejuvenation via enhanced SIRT1 expression.<sup>2</sup> Induces apoptosis in malignant mesothelioma cells.<sup>3</sup>

- 1) Sohn et al. (1995), *Anti-angiogenic activity of triterpene acids*; Cancer Lett., **94** 213
- 2) Bakhtiari et al. (2016), *Short-term ursolic acid promotes skeletal muscle rejuvenation through enhancing of SIRT1 expression and satellite cells proliferation*; Biomed. Pharmacother., **78** 185
- 3) Sohn et al. (2016), *Blockage of epithelial to mesenchymal transition and upregulation of let 7b are critically involved in ursolic acid induced apoptosis in malignant mesothelioma cell*; J. Biol. Sci., **12** 1279

**PHYSICAL DATA**

Molecular Weight:	456.70
Molecular Formula:	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>
Purity:	>95% by TLC NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 25 mg/ml with warming).
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Protect from exposure to light and moisture. Solutions in DMSO may be stored at -20°C for up to 2 months.

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